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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/677,338 | 10/02/2000 | Jeffrey P. Kubala | POU920000176US1 | 3544 |
| 7590 | 10/19/2004 | | EXAMINER | |
| William A Kinnaman Jr IBM Corporation - MS P386 2455 South Rd Poughkeepsie, NY 12601 | | | SHAH, NILESH R | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2127 | |

DATE MAILED: 10/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

9/

| | | |
|------------------------------|-----------------|---------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 09/677,338 | KUBALA ET AL. |
| Examiner | Art Unit | |
| Nilesh Shah | 2127 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 16 August 2004.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-30 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-27 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - a. A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
3. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Breddan (4,489,386) in view of Beelitz (6,032,239).
4. As per claim 1, Breddan teaches the invention substantially as claimed including a method comprising the steps of:
determining the actual consumption of specified system resources (col. 4, lines 24-30);
comparing said actual consumption with a specified permitted consumption for said resources (col. 1, lines 10-15; col. 4, lines 24-30) and
reducing said actual consumption of said resources to said specified permitted consumption if said actual consumption exceeds said permitted consumption (col. 1 lines 15-18, col. 9 lines 3-20).

5. Breddan does not specifically teach the use of different logical partitions.
Beelitz teaches the use of having different partitions with different resources (col. 2 lines 56-65) for upgrading, adding, deleting or changing the partition or resources on an exiting hard drive (col. 3 lines 10-20).
6. It would have been obvious to one skilled in the art at the time of the invention to combine the teachings of Beelitz and Breddan in order to provide an efficient system. By reducing a particular partition that has hit its permitted consumption the entire system can run more efficient because one partition won't be bogged down with resources when it has reached it limit.
7. As per claim 2, Beelitz teaches a method in which said specified system resources are processor resources (col. 2 lines 56-65).
8. As per claim 3, Breddan teaches a method in which said actual consumption is determined by averaging said consumption over a plurality of time intervals (col. 3 lines 19-41).
9. As per claim 4 Breddan, teaches the use of a information handling system that specifying a maximum allowed consumption of said resources (col. 1 lines 15-18, col. 9 lines 3-20)
measuring an actual consumption (col. 1 lines 15-18, col. 9 lines 3-20)
comparing said actual consumption with said maximum allowed consumption to

determine whether said actual consumption exceeds said maximum allowed consumption and if said actual consumption exceeds said maximum allowed consumption, reducing said actual consumption of said resources to said maximum allowed consumption (col. 1 lines 15-18, col. 4 lines 13-24, col. 9 lines 3-20).

Beelitz teaches the use of having different partitions with different resources (col. 2 lines 56-65) for upgrading, adding, deleting or changing the partition or resources on an exiting hard drive (col. 3 lines 10-20).

10. As per claim 5, Breddan, teaches the use of a information handling system that specifying a maximum allowed consumption of said resources (col. 1 lines 15-18, col. 9 lines 3-20).

Beelitz teaches the use of having different partitions with different resources (col. 2 lines 56-65) for upgrading, adding, deleting or changing the partition or resources on an exiting hard drive (col. 3 lines 10-20).

11. As per claim 6, Beelitz teaches a method in which said group of logical partitions comprises all of the logical partitions on said physical machine (col. 2 lines 56-65, col. 4 lines 7-17).

12. As per claims 7 and 8, Beelitz teaches a method in which each of the logical partitions in said group is assigned different status such as a primary, first extended, seconded (table 1) or inactive active (col. 3 lines 1-6). The examiner takes official notice that the uses of weights within partitions are well known in the art.
13. As per claim 9, Beelitz teaches a method in which said specified system resources are processor resources (col. 2 lines 56-65).
14. As per claim 10, Breddan teaches a method in which said actual consumption is determined as a rolling average of said consumption over a predetermined time interval (col. 3 lines 19-41).
15. As per claim 11, Beelitz teaches a program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine (col. 2 lines 33-40, col. 2 lines 56-65).
16. Claims 12-15 are rejected based on previous rejections for claims 4, 5, 7, 8 respectfully.

17. As per claim 16 Breddan, teaches the use of a information handling system that specifying a maximum allowed consumption of said resources (col. 1 lines 15-18, col. 9 lines 3-20)

measuring an actual consumption (col. 1 lines 15-18, col. 9 lines 3-20) comparing said actual consumption with said maximum allowed consumption to determine whether said actual consumption exceeds said maximum allowed consumption and if said actual average consumption exceeds said maximum average consumption, reducing said actual average consumption of said resources to said maximum average consumption by alternating operating said logical partition in a capped mode in which said logical partition is limited to said maximum capped consumption and in an uncapped mode in which said logical partition is not limited to said maximum capped consumption. (col. 1 lines 15-18, col. 4 lines 13-24, col. 9 lines 3-20).

18. Beelitz teaches the use of having different partitions with different resources (col. 2 lines 56-65) for upgrading, adding, deleting or changing the partition or resources on an exiting hard drive (col. 3 lines 10-20).
19. Claims 17-19 are rejected based on the same rejection for claims 5, 7, and 8 above
20. Claim 20 is rejected based on the same rejected as claim 11 above.
21. Claims 21-24 are rejected based on the same rejection for claims 16-19 above.

22. Claim 25 is rejected based on the same rejected as claim 16 above.
23. Claim 26 is rejected based on the same rejected as claim 11 above.
24. Claim 27 is rejected based on the same rejected as claim 16 above.

Response to Arguments

25. Applicant's remarks filed on 7/02/04 have been fully considered but they are not persuasive.

26. In the remarks applicant argued: (a) Breddan fails to teach (a) "maximum capped consumption".

Examiner respectfully disagrees with applicants argument: As per (a) Breddan clearly teaches a threshold for consumption (col. 1 lines 10-15, col. 4 lines 24-30).

Conclusion

27. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nilesh Shah whose telephone number is (571)272-3771. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng An can be reached on (571)272-3756.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nilesh Shah
Examiner
Art Unit 2127

NS

October 13, 2004


MENG AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100